Page 1 of 4

Docket No. 12558 (SGNA 1014)

## Declaration and Power of Attorney For Patent Application

#### **English Language Declaration**

As a below named inventor, I hereby declare that;

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and Joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

METHOD AND DEVICE FOR INSERTING AND AUTHENTICATING A DIGITAL SIGNATURE IN DIGITAL DATA the specification of which (check one) is attached hereto. as United States Application No. or PCT International ☐ was filed on Application Number and was amended on 🗀 (if applicable) I hereby state that I have reviewed and understand the contents of the above identified specification. including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56. I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or Inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed. Priority Not Claimed Prior Foreign Application(s) (Day/Month/Year Filed) (Number) (Country) (Number) (Day/Month/Year Filed) (Country) 

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(Number)

(Country)

(Day/Month/Year Filed)

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ereby claim the benefit un lication(s) listed below:	der 35 U.S.C. Section 119(e)	of any United States provisio
(Application Sedal No.)	(Filing Date)	
(Application Contains)	, ,	
(Application Serial No.)	(Filing Date)	
(Application Serial No.)	(Filing Date)	

I hereby claim the benefit under 35 U.S.C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, C. F. R., Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

• 2		
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
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(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or Imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

(call bom) (26-0) 10-88-074

Patant and Tredemark Office-U.S. DEPARTMENT OF COMMERCE

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Page 3 of 4



TO

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

Stephan D. Murphy, Reg. No.: 22,002

Paul J. Esatto, Reg. No.: 30,749

William C. Roch, Reg. No.: 24,972

Mark J. Cohen, Reg. No.: 32,211

Frank S. DiGiglio, Reg. No.: 31,346

Donald T. Black, Reg. No.: 27,999

Philip J. Feig, Reg. No.: 27,328

Andrew G. Isztwan, Reg. No.: 40,028

Send Correspondence to:

Paul J. Esatto, Jr.

Scully, Scott, Murphy & Presser

400 Garden City Plaza

Garden City, New York 11530

Direct Telephone Calls to: (name and telephone number)

Paul J. Esatto, Jr. (516) 742-4343

Full name of sole or first inventor Ingemar J. Cox		*1		
Sole or tirkt inventor's signature				Date 4 20 199
Residence Lawrenceville, New Jorsey 08648			. "	
CHizenship USA				,
Post Office Address 21 Le Parc Drive	- ·			
Lawrenceville, New Jersey 08648				

Full name of second inventor, if any Matthew L. Miller		•
Second-inventor's signature	Wr.	4/20/0p
Residence Princeton, New Jersey 08540		
Crizenship USA		
Post Office Address 12 Quarry Street, Apt. 2		
Princeton, New Jersey 08540		

TO

Douglas P. Rayner Third Inventor's signature	·			<u> </u>			
THIO INVENIOR'S EIGNAINE	• . •					Date	
Residence San Francisco, California			• • •	(2)			
Cilizenship USA			<del></del>		<del>`</del>		·
Post Office Address 74 Diamond Street							
San Francisco, California 94114							<u></u>
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PAGE 01/02

Page 1 of 4

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Docket No. 13558 (BGNA 1914)

# Declaration and Power of Attorney For Patent Application

English Language Declaration As a below named inventor, I hereby declare that: My residence, post office address and citizenship are as stated below next to my name, I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (If plural namus are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled METHOD AND DEVICE FOR INSURTING AND AUTHENTICATING A DIGITAL SIGNATURE IN DIGITAL DATA the specification of which (oheck one) as United States Application No. or PCT International is attached hereto. □ was filed on Application Number and was amended on (H applicable) I heraby state that I have reviewed and understand the contents of the above identified specification, including the sizing, as amendment referred to above. I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations. Section 1.56. I hereby claim foreign priority benefits under Title 65, United States Code, Section 119(a)-(d) or Section 386(b) of any foreign application(a) for patent or inventor's certificate, or Section 365(a) of any PCT international application which designated at least one country other than the United States, flated below and have also identified below, by checking the box, any toraign application for patent or Inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed. Priority Not Claimed Prior Foreign Application(s) (Day/Month/Year Fled) (Country) (Number) (Day/Month/Year Flied) (Country) (Number) Day/Month/Year Piled) (Country) (Number)

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(Application Serial No.)  (Application Serial No.)  (Application Serial No.)  I hereby declare that all statem statements made on information twere made with the knowledge that	(Filing Date)  (Filing Date)  (Filing Date)  (Filing Date)  nents made herein of my or and belief are believed to be that willful date and are statements and are statements.	(Status) (paramed, pending, abandoned) (Status) (patented, panding, abandoned)

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DOUG RAYNER TO

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Page 3 of 4 .

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POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Petert and Trademark Office connected therewith. (list name and registration number)

Stephen D. Murphy, Rag. No.: 22,882

Paul J. Kantto, Rag. No.: 30,747

William C. Rosh, Rag. No.: 24.972

Mark J. Cohen, Rag. No.: 52,211

Frank S. DiGigBo, Reg. No.: 31,346

Donald T. Black, Reg. No.: 27,999

Philip J. Folg. Rog. No.: 27,328

Andrew G. Isperan, Rog. No. 40,828

Send Correspondence to: Yaul.J. Mante, Jr.

Scully, Scott, Murphy & Printer

408 Garden City Plans

Gerden City, New York 11530

Direct Telephone Calls to: (name and telephone number)

Paul J. Bentto, Jr. (516) 742-4343

Pull name of cole or first insersor Ingener J. Cox Sole of line inventor's signature

Laurenandle, New Jaresy 98648

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MBA

Post Office Address

31 Le Parc Drive

Lawrenceville, New Jersey 03648

Full name of second inventor. If way

Matthew L. Miller

Exceed inverter's Morellin

Princeton, New Jerrey 68540

Olicerch's

USA

Post Office Address

13 Quarry Street, Apt. 2

Princeton, New Jersey 08540

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Page 4 of 4

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Third inventors signature Laugias A	aune		4/20/99
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Docket No.: 12558

U.S. DEPARTMENT OF COMMERCE RECORDATION FORM COVER SHEET FORM PTO-1595 (Modified) (Rev. 6-93) Patent and Trademark Office OMB No. 0651-3011 (exp.4/94) PATENTS ONLY Copyright 1996-97 LegalStar P08A/REV02  $\nabla$ Tab settings <> <> <> To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Ingemar J. Cox Name: SIGNAFY, INC. Matthew L. Miller Douglas P. Rayner Address: 4 Independence Way Yes X No Additional names(s) of conveying party(ies) 3. Nature of conveyance: ☐ Merger Assignment State/Prov.: NJ City: Princeton ☐ Change of Name ☐ Security Agreement ZIP: 08540 Country: USA Other \_ Execution Date: April 20, 1999 Additional name(s) & address(es) ☐ Yes ⊠ No 4. Application number(s) or registration numbers(s): If this document is being filed together with a new application, the execution date of the application is: April 20, 1999 B. Patent No.(s) Patent Application No. Filing date Yes No Additional numbers 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: Paul J. Esatto, Jr. 7. Total fee (37 CFR 3.41):....\$ 40.00 Registration No. 30,749 ☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account Address: Scully, Scott, Murphy & Presser Authorized to be charged to deposit account 400 Garden City Plaza 8. Deposit account number: City: Garden City, State/Prov.: NY 19-1013(SSMP) Country: USA ZIP: 11530 DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. April 20, 1999 Paul J. Esatto, Jr.

Signature

Total number of pages including cover sheet, attachments, and

Date

6

Name of Person Signing

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DOCKET NO.: 112558 (SGN-1014)

#### ASSIGNMENT

Whereas, we,

## INVENTOR AND CITY

(1) Ingemar J. Cox County of Mercer

of Lawrenceville and State of New Jersey

(2) Matthew L. Miller County of Mercer

of Princeton and State of New Jersey

(3) Douglas P. Rayner County of

of San Francisco and State of California

have invented certain improvements in

#### TITLE

METHOD AND DEVICE FOR INSERTING AND AUTHENTICATING A DIGITAL SIGNATURE IN DIGITAL DATA

## DATE THAT DECLARATION WAS SIGNED

and executed, a United States patent application therefor on

(1) Cypric 20, 1999 , (2) april 20, 1999 and (3)

Whereas, SIGNAFY, INC., a corporation of New York, having a place of business at 4 Independence Way, Princeton, New Jersey 08540 (hereinafter called SIGNAFY), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now, therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign and transfer to SIGNAFY, its successors and assigns, the entire right, title and interest in the said application and any division or continuation thereof and the invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents and Trademarks to issue any Letters Patent granted upon the invention set forth in said application to SIGNPAY, its successors and assigns; and we hereby agree that SIGNAFY may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by SIGNAFY.

C/MEC/1356/13558/H18C/A984

#### Signed and Scaled

CITY
DATE

(1) at South Brunswick, NJ
on Apr. \ 20 , 1998 Ingemar J. Cox

Signed and Sealed

CITY DATE (2) at South Brunswick, NJ Matthew L. Miller

Marthew I Miller

CITY DATE (3) at South Brunswick, NJ on , 1998 Douglas P. Rayner

State of New Jersey )
County of Middlesex ) ss:

Inventor (1) On this 20 day of April , 1998, before me personally came Ingener I- Cox , to me personally known and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

actorney at low Notary & ten State of New Jersey

State of New Jersey )
County of Middlesex ) ss:

Inventor (2) On this 20 day of April , 1998, before me personally came matthew L. Miller , to me personally known and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

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DOCKET NO.: 112558 (SGN-1014)

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#### **ASSIGNMENT**

Whereas, wo,

INVENTOR AND CITY

(1) Ingemar J. Cox. County of Mercer of Lawrenceville and State of New Jersey

(2) Matthew L. Miller County of Marcer of Princeton, and State of New Jersey

(3) Douglas P. Rayner County of

of San Francisco and State of California

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Now, therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign and transfer to SIGNAFY, its successors and assigns, the entire right, title and interest in the said application and any division or continuation thereof and the invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents and Trademarks to issue any Letters Patent granted upon the invention set forth in said application to SIGNFAY, its successors and assigns; and we hereby agree that SIGNAFY may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by SIGNAFY.

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DOUG RAYNER

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Signed and Scaled

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DATE	

(1) at South Brunswick, NJ

, 1998 Ingemer J. Cox

Signed and Sealed

CITY DATE (2) at South Brunswick, Ni

, 1998 Matthow L. Miller

CITY DATE (3) at South Brunswick, NJ

, 1998 Douglas J. Rayner

1999

State of New Jersey )
County of Middlesex ) ss:

Inventor (1) On this day of personally come

, 1998, before me , to me personally

known and known to me to be the person described in and who executed the foregoing assignment, and he soknowledged to me that he executed the same as his free act and dead.

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State of New Jersey )
County of Middlesex ) 88:

same as his free act and deed.

Inventor (2) On this day of , 1998, before me personally came , to me personally known and known to me to be the person described in and who executed the foregoing easignment, and he anknowledged to me that he executed the

Notary

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FOr M PTO-1595 (Modified) (Rev. 8-93)  OMB No. 0651-0011 (exp. 4/94) Copyright 1996-97 LegalStar PO8A/REV02  Tab settings ⇔ ⇔ ♥  To the Honorable Commissioner of 101022333	Patent and Trademark Office
1. Name of conveying party(ies): Ingemar J. Cox Matthew L. Miller Douglas P. Rayner  Additional names(s) of conveying party(ies)	2. Name and address of receiving party(ies):  Name: SIGNAFY, INC.  Address: 4 Independence Way
3. Nature of conveyance:	
☐ Security Agreement ☐ Change of Name	City: Princeton State/Prov.: NJ
☐ Other	Country: USA ZIP: 08540
Execution Date: April 20, 1999	Additional name(s) & address(es)
Application number(s) or registration numbers(s):  If this document is being filed together with a new application,	, the execution date of the application is: April 20, 1999
Patent Application No. Filing date	B. Patent No.(s)
69/29/956 Additional numbers	☐ Yes ☐ No
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: Paul J. Esatto, Jr.	7. Total fee (37 CFR 3.41):\$ 40.00
Registration No. 30,749  Address: Scully, Scott, Murphy & Presser	☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account
	☐ ☑ Authorized to be charged to deposit account
400 Garden City Plaza 04/28/1999 DNGUYEN 00000264 191013 09294956	
01 FC:581 40.00 CH	8. Deposit account number:

DO NOT USE THIS SPACE

State Prov.: NY

ZIP: 11530

9. Statement and signature.

Paul J. Esatto, Jr.

City: Garden City,

Country: USA

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Name of Person Signing

/ Signature

19-1013(SSMP)

April 20, 1999

Date

Total number of pages including cover sheet, attachments, and

DOCKET NO.: <u>112558 (\$GN-1014)</u>

#### ASSIGNMENT

Whereas, we,

#### INVENTOR AND CITY

Ingemar J. Cox  $\cdot$ (1) County of Mercer

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G/MBC/1356/13558/m18C/ASBQ

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Signed	and Scaled	
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CITY DATE (1) at South Brunswick, NJ on Apr. 120, 1998 Ingemar J. Cox

Signed and Sealed

CITY DATE (2) at South Brunswick, NJ on April 20, 1998 Matthew L. Miller

CITY DATE (3) at South Brunswick, NJ , 1998 Douglas P. Rayner on

State of New Jersey ) County of Middlesex ) ss:

, 199¶, before me Inventor (1) On this 20 day of April personally came Ingemer J. Cox , to me personally known and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Long Fine Shell of Now Jersey

State of New Jersey ) County of Middlesex ) ss:

Inventor (2) On this 20 day of April , 1998, before me personally came matthew L. Miller , to me personally , to me personally known and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

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#### DOCKET NO.: 112558 (SGN-1014)

#### ASSIGNMENT

#### Whereas, wo,

## INVENTOR AND CITY

(1) Ingemer J. Cox. County of Mercer

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Now, therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign and transfer to SIGNAFY, its successors and assigns, the antire right, title and interest in the said application and any division or continuation thereof and the invention therein disclosed for the United States and Areign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents and Tredemarks to issue any Letters Patent granted upon the invention set forth in said application to SIGNFAY, its successors and assigns; and we hereby agree that SIGNAFY may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by SIGNAFY.

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DOUG RAYNER

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CITY DATE (1) at South Brunswick, NJ on.

, 1998 Ingemer J. Cox

Signed and Sealed

CITY DATE (2) at South Brunswick, NJ

, 1998 Matthow L. Miller

CITY DATE (3) at South Brunswick, NI

, 1958 Douglas J. Rayner

State of Now Jersey County of Middlesex ) ss:

Inventor (1) On this personally come

, 1998, before me , to me personally

known and known to me to be the person described in and who executed the foregoing assignment, and he solonowledged to me that he executed the same as his free act and doed.

Nothry

State of New Jersey County of Middlesex ) 88:

Inventor (2) On this

, 1998, before me , to me personally

personally came . known and known to me to be the person described in and who executed the foregoing engignment, and he coknowledged to me that he executed the same as his free act and deed.

Notary

et No.: F53158

FORM PTU: TSSS (Modified)
(Rev. 6-93)
OMB No. 0651-0011 (exp. 4/94)
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#### RECORDATION FORM COVER SHEET

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Patent and Trademark Office

### **PATENTS ONLY**

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Other				Country:	Japan		ZIP:		·
Execution Date: Dece	ember 9, 2002			Additional nam	ne(s) & addr	ess(es)	□ Y	es Œ	a No
4. Application number(	(s) or registration i	numbers(s):							
If this document is b	eing filed togethe	r with a new ap	plication,	the execution	date of th	ne applicatio	n is:		٠٠ - سرد ٠٠
Patent Application N					atent No.(		-		
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09/294,956		•		6,263,087		5,282,300		,	•
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				5,991,426	6	5,108,434		•	
		Additional	numbers	☐ Yes	⊠ No			•	
5. Name and address concerning docume	of party to whom on the should be maile	correspondence	•	6. Total num	ber of app	olications an	d patents	involve	ed: 12
Name: Paul J. Esat	tto, Jr.			7. Total fee (	37 CER 3	141)	\$ 40		
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9. Statement and signa To the best of my kn of the original docum	nowledge and belie	ef, the foregoing	g informat	ion is true and	d correct a	and any atta	ched copy	is a tr	ue copy
Paul J. Esatto, Jr., R			1/11	// .		,	January 23	3, 2003	
	rson Signing	<del></del>	1 1	Signature			Da		<del></del>

Total number of pages including cover sheet, attachments, and

#### ÁSSIGNMENT

WHEREAS, SIGNAFY, INC., a corporation organized and existing under the laws of the State of Georgia, United States of America, having a place of business at 4 Independence Way, Princeton, New Jersey, 08540, United States of America, (hereinafter, ASSIGNOR);

WHEREAS, the ASSIGNOR owns certain rights in and to certain patents, utility models and patent applications (whether provisional or otherwise), for the United States of America and other countries foreign thereto;

WHEREAS, NEC CORPORATION, a corporation of Japan, having a place of business at 7-1, Shiba 5-chome, Minato-ku, Tokyo, Japan, (hereinafter, ASSIGNEE);

Now, therefore, for good and valuable consideration, receipt of which is acknowledged, the ASSIGNOR has agreed to assign and transfer and does hereby assign and transfer unto ASSIGNEE, its successors and assigns, all of the right, title and interest which ASSIGNOR owns in and to the patents, utility models, and patent applications (whether provisional or otherwise), listed in the Patent Schedule (attached hereto and made a part hereof) and in and to any division, continuation or continuation-in-part, of said applications, and in and to any and all Letters Patent and reissues and extensions thereof, of the United States of America and all countries foreign thereto (including the right to apply for Letters Patent in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties or otherwise), which have been or may be granted on any of the foregoing to be held and enjoyed as fully and exclusively as they would have been by ASSIGNOR had this assignment and transfer not been made;

The ASSIGNOR does further agree to execute and deliver without further consideration any further applications, assignment and documents, and to perform such other

acts as may be deemed necessary by said ASSIGNEE, its successors, assigns, and nominees, fully to secure its interest as aforesaid and to obtain or maintain Letters Patent in any and all countries;

And the undersigned do hereby authorize and request the U.S. Commissioner of Patents and Trademarks and the patent offices of all other countries of the world to issue any and all Letters Patents which may be granted upon any of the said applications, to the said ASSIGNEE, as the assignee of the entire interest herein.

In witness whereof, the undersigned has hereunto executed this document on the day and year set forth below.

SIGNAFY, IN

Name Typewritten: Timothy M. Donovan
Title: Secretary

County of \_

U.S. Appln. No.	Filed	Patent No.	Issued
09/092,431	6/5/98	6,332,194	12/18/01
09/105,495	6/26/98	6,263,087	7/17/01
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09/215,960	12/18/98		
09/216,499	11/23/99	5,991,426	11/23/99
09/294,956	4/20/99		
09/310,409	5/12/99	6,510,234	1/21/03
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09/817,422	3/26/01	6,438,252	8/20/02
09/924,616	8/8/01		
09/928,576	9/12/97	6,108,434	8/22/00



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JUNE 29, 1999

Patent and Trademark Office ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

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ASSIGNOR:

COX, INGEMAR J.

DOC DATE: 04/20/1999

ASSIGNOR:

MILLER, MATTHEW L.

DOC DATE: 04/20/1999

ASSIGNOR:

RAYNER, DOUGLAS P.

DOC DATE: 04/20/1999

ASSIGNEE:

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4 INDEPENDENCE WAY

PRINCETON, NEW JERSEY 08540

SERIAL NUMBER: 09294956

PATENT NUMBER:

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9906/0191 PAGE 2

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